# Active Recombinant Human ULBP1 protein, His&hFc-tagged

**Cat. No.** ULBP1-3249H **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Active Recombinant Human ULBP1 protein(NP_079494.1)(Met 1-Gly 216) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 1-216 aa |
| **Form** | Lyophilized from sterile PBS, pH 7.4. |
| **Bio-activity** | Immobilized human His-NKG2D (78-216) at 10 μg/ml (100 μl/well) can bind human ULBP1-Fch, The EC50 of human ULBP1-Fch is 0.04-0.08 μg/ml. |
| **Molecular Mass** | The mature form of recombinant human ULBP1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 439 amino acids and predicts a molecular mass of 50.4 kDa. The apparent molecular mass of rhULBP1/Fc monomer is approximately 55-60 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Purity** | > 95 % as determined by SDS-PAGE |
| **Storage** | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| | aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | ULBP1 UL16 binding protein 1 [ Homo sapiens ] |
| **Official Symbol** | ULBP1 |
| **Synonyms** | ULBP1; UL16 binding protein 1; NKG2D ligand 1; RAET1I; N2DL-1; NKG2DL1; alcan-beta; UL16-binding protein 1; retinoic acid early transcript 1I; |
| **Gene ID** | 80329 |
| **mRNA Refseq** | NM_025218 |
| **Protein Refseq** | NP_079494 |
| **MIM** | 605697 |
| **UniProt ID** | Q9BZM6 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA